



Mitogenic Activity of CTGF and CTGF Domains

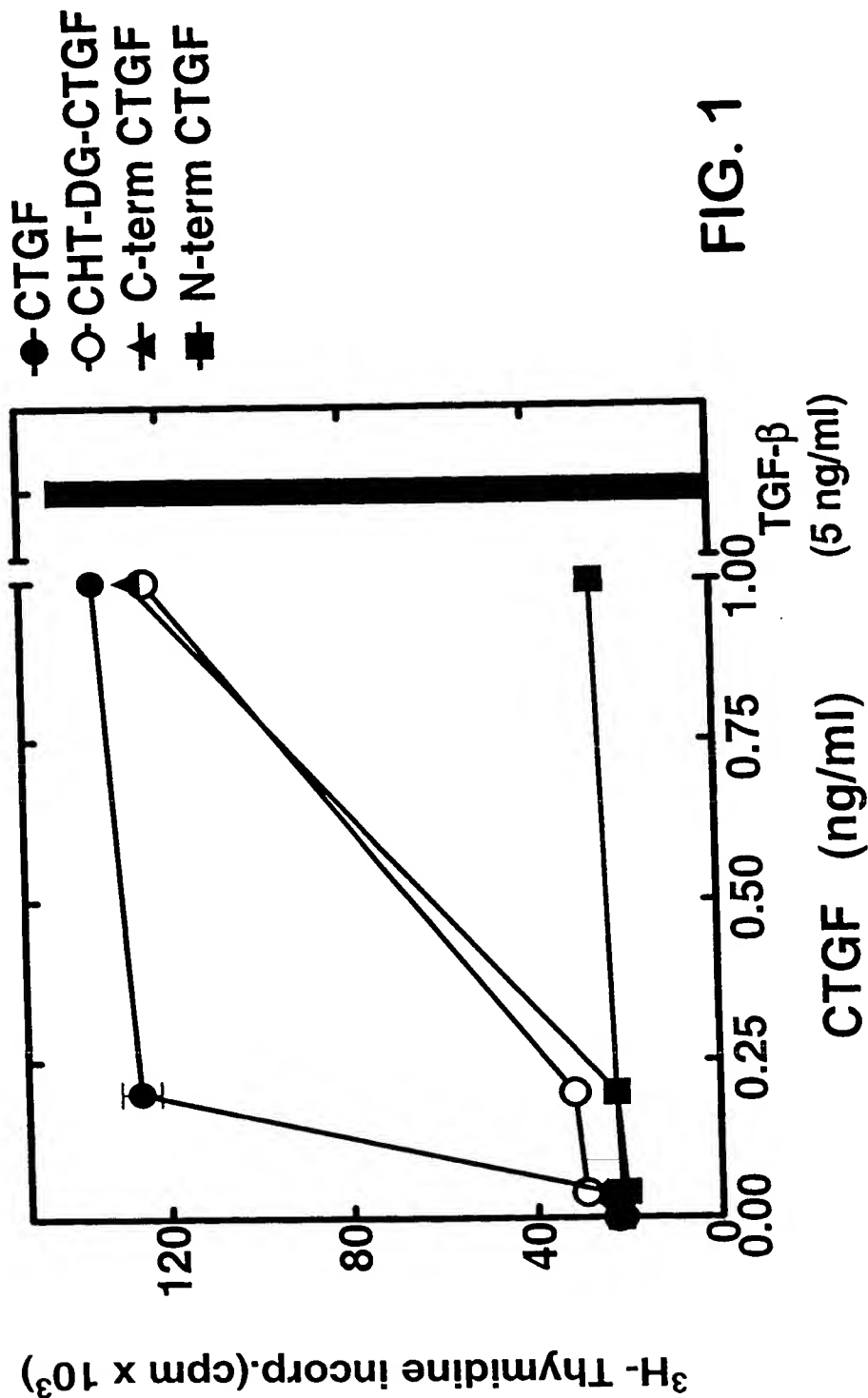


FIG. 1



2/8

ccccggccgacagccccgagacgacagccccggcgcggtccccgggtccccacctccgaccaccgcca
gcgctccaggccccgcgctccccgctcgccgccaccgcgcctccgctccgccccgcagtgccca
accATGACCGCCGCCAGTATGGGCCCCGTCCGCGTCGCCTTCGTGGTCCTCCTC

M T A A S M G P V R V A F V V L L

GCCCTCTGCAGCCGGCCGGCCGTCCGCCAGAACTGCAGCGGGCCGTGCCGGTGCCCGGAC
A L C S R P A V G Q N C S G P C R C P D

| -> exon 2

GAGCCGGCGCCGCGCTGCCCGGGCGGGCGTGAGCCTCGTGCTGGACGGCTGCGGCTGCTGC
E P A P R C P A G V S L V L D G C G C C

CGCGTCTGCGCCAAGCAGCTGGGCGAGCTGTGCACCGAGCGCGACCCCTGCGACCCGCAC
R V C A K Q L G E L C T E R D P C D P H

AAGGGCCTCTTCTGTGACTTCGGCTCCCCGGCCAACCGCAAGATCGGCGTGTGCACCGCC
K G L F C D F G S P A N R K I G V C T A

| ->

AAAGATGGTGCTCCCTGCATCTTCGGTGGTACGGTGTACCGCAGCGGAGAGTCCTTCCAG
K D G A P C I F G G T V Y R S G E S F Q
exon 3

AGCAGCTGCAAGTACCAGTGCACGTGCCTGGACGGGGCGGTGGGCTGCATGCCCTGTGC
S S C K Y Q C T C L D G A V G C M P L C

AGCATGGACGTTTCGTCTGCCCAGCCCTGACTGCCCTTCCCGAGGAGGGTCAAGCTGCCC
S M D V R L P S P D C P F P R R V K L P

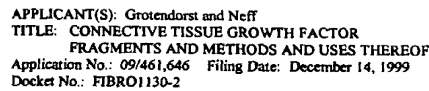
GGGAAATGCTGCGAGGAGTGGGTGTGTGACGAGCCCAAGGACCAAACCGTGGTTGGGCCT
G K C C E E W V C D E P K D Q T V V G P

GCCCTCGCGGCTTACCGACTGGAAGACACGTTTGGCCCAGACCCAACTATGATTAGAGCC
A L A A Y R L E D T F G P D P T M I R A
| -> exon 4

AACTGCCTGGTCCAGACCACAGAGTGGAGCGCCTGTTCCAAGACCTGTGGGATGGGCATC
N C L V Q T T E W S A C S K T C G M G I

TCCACCCGGGTTACCAATGACAACGCCTCCTGCAGGCTAGAGAAGCAGAGCCGCCTGTGC
S T R V T N D N A S C R L E K Q S R L C

FIG. 2-1



GCCCTCGCGGCTTACCGACTGGAAGACACGTTTGGCCCAGACCCA
A L A A Y R L E D T F G P D P T M I R A
| -> exon 4

ATGGTCAGGCCTTGCGAAGCTGACCTGGAAGAGAACATTAAGAAGGGCAAAAAGTGCATC
M V R P C E A D L E E N I K K G K K C I
| -> exon 5

ACCACCACCCTGCCGGTGGAGTTCAAGTGCCCTGACGGCGAGGTCATGAAGAAGAACATG
T T T L P V E F K C P D G E V M K K N M

TCGCTGTACTACAGGAAGATGTACGGAGACATGGCATGAagccagagagtgagagacatt
S L Y Y R K M Y G D M A *

FIG. 3

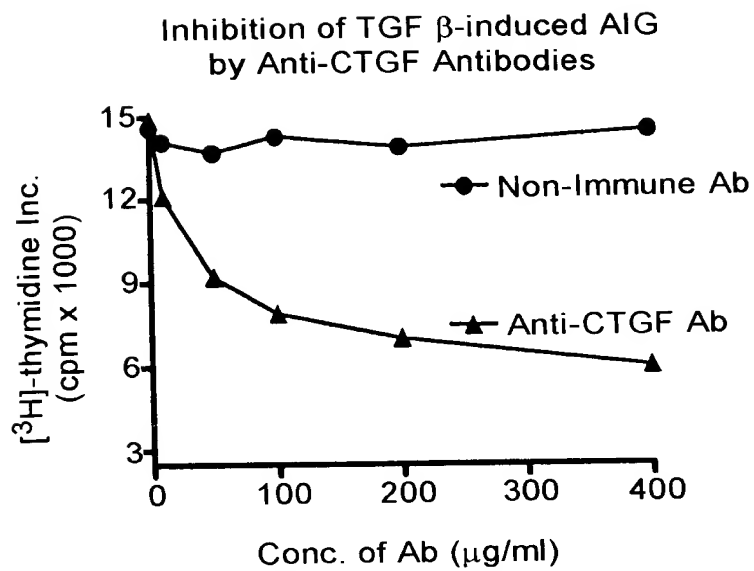


FIG. 4

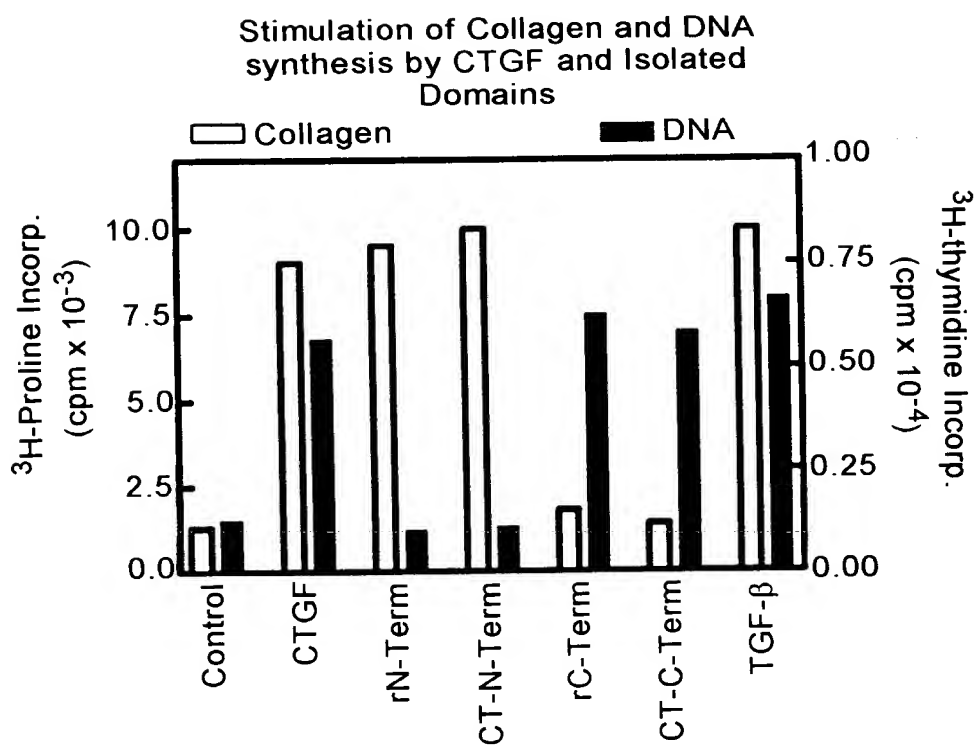


FIG. 5

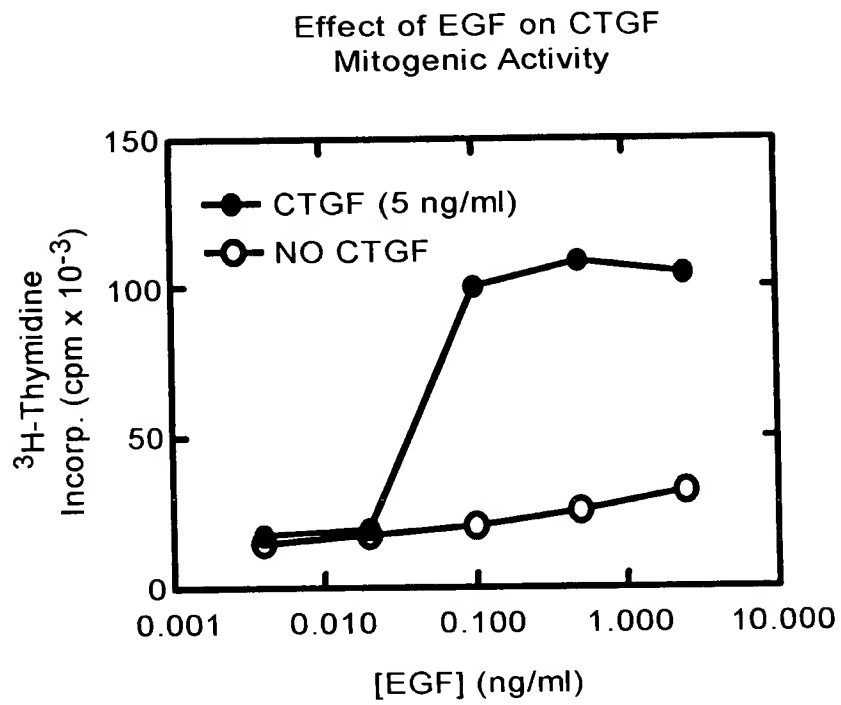


FIG. 6



Selective Inhibition of DNA
Synthesis is by anti-CTGF
C-Terminal Ig G

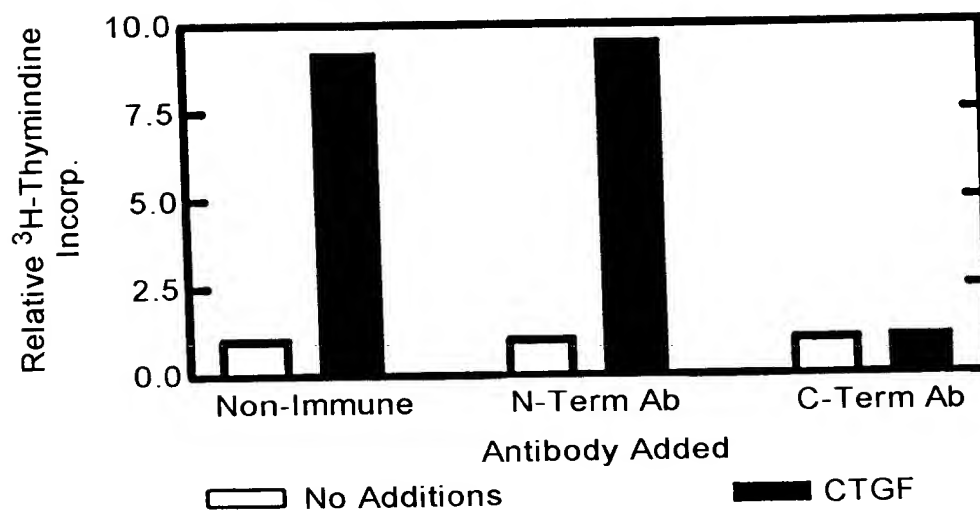


FIG. 7